

## Building Energy Elements Certificate

Street Address:

City:

State: VA

### Building Envelope

#### Insulation R-Values

Ceiling:		Above Grade Walls:	
Foundation Walls:		Floor Over Unconditioned Space:	
Slab:		Crawlspace Walls:	
Infiltration (blower door test):	ACH50:		CFM50:
Windows:	U-value:		SHGC:
Doors with Glazing:	U-value:		SHGC:
Opaque Doors:	U-value:		

### Mechanical Equipment

#### HVAC System 1

Heating:	Type:		Efficiency:		Fuel:	
Cooling:	Type:		Efficiency:			
Ducts:	Insulation R-Value:		Total Duct Leakage %:		CFM25:	

#### HVAC System 2 (as applicable)

Heating:	Type:		Efficiency:		Fuel:	
Cooling:	Type:		Efficiency:			
Ducts:	Insulation R-Value:		Total Duct Leakage %:		CFM25:	
Water Heater	Type:		Efficiency:		Fuel:	

### Photovoltaic Power Systems (as applicable)

Nameplate Output in KW		Inverter Efficiency:	
Panel Tilt(s):		Panel orientation(s):	

### Energy Rating Index (as applicable)

With on-site generation:		Without on-site generation:	
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### Building Code Edition Utilized for Permit

Year:		Energy Compliance Pathway:	
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### Builder or Design Professional

Name:		Date:	
Signature:			

#### **2021 Virginia Residential Code (Energy Conservation Code) N1101.14 (R401.3) Certificate:**

*A permanent certificate shall be completed by the builder or other approved party and posted on a wall in the space where the furnace is located, a utility room or an approved location inside the building.*

*Where located on an electrical panel, the certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels.*